

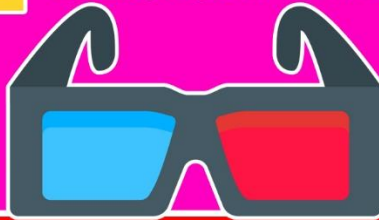
# 2024 Educational Series

# Alkhawarizmi

New



NATIONAL  
GEOGRAPHIC



# ICT



Information & Communication Technology



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# 6

**Sixth Grade**  
**First Term**

## Theme1 : Lesson 2 Questions

### First: Put the word (True) or (False) :-

- 1- Wi-Fi connects network devices to each other wirelessly. ( )
- 2- Switches can send data to a specific device over a network. ( )
- 3- Artificial Intelligence AI is the computer's ability to think, learn, and deduce. ( )
- 4- Networks are groups of devices or things that are connected to each other for a common purpose. ( )
- 5- Wireless uses cables which are plugged into port on devices. ( )
- 6- SWITCHES device converts the signal from the ISP into a digital signal. ( )
- 7- The SWITCHES allows wired devices to connect to a network. ( )
- 8- Ai does not need to be provided with information and knowledge related to a specific subject. ( )
- 9- Artificial intelligence can write articles on a topic. ( )
- 10- Ai technology is unable to give the answers to some possible questions. ( )
- 11- Ai works to retrieve the data it was provided with when needed. ( )
- 12- Artificial intelligence cannot imitate the actual human voice. ( )

### Second: Choose the correct answer from the brackets:

- 1- ..... Connects a LAN to the Internet.  
a- Modem                      b- Switches                      c- QR codes
- 2- ..... is used to send data to a specific device over a network to help speed up the transfer of data.  
a- QR code                      b- Switches                      c- Modem
- 3- Through ..... you can transfer data via wires and cables  
a- Email                      b- Wireless networks                      c- Wired networks
- 4- ..... is the ability of a machine such, as a computer, to think, learn.  
a- IPS Internet service                      b- Ports                      c- Artificial intelligence
- 5- It connects ..... network devices to each other wirelessly.  
a- Modem                      b- Search engines                      c- Wi-Fi
- 6- It converts the signal from the Internet service provider (ISP) into a digital signal.  
a- Port                      b- Modem                      c- Switches
- 7- They are groups of devices or things that are connected to each other for a common purpose.  
a- Networks                      b- data                      c- databases
- 8- There are two types of communication.  
a- Wireless Networks                      b- Wired Networks                      c- Both
- 9- It uses cables which are plugged into ports on devices.  
a- Wireless Networks                      b- Wired Networks                      c- Both
- 10- Devices can be connected without wiring  
a- Wireless Networks                      b- Wired Networks                      c- Both
- 11- They are intelligent devices to connect devices to networks.  
a- SWITCHES                      b- Servers                      c- HUBS
- 12- It works to imitate voices by providing it with the tone of a natural human voice.  
a- Artificial Intelligence                      b- Applications                      c- Modem



## Theme1 : Lesson 3 Questions

**First: Put the word (True) or (False) :-**

- 1- Ai is only one of the emerging types of future technology. ( )
- 2- AR show a 3-D model of what looks like the real world. ( )
- 3- VR can take you to a museum. ( )
- 4- A computer learns in Ai by analyzing the provided examples. ( )
- 5- Futuristic technologies disrupt the lives of people of determination. ( )
- 6- There are some AR Apps that show you how the new furniture will look in your house. ( )
- 7- AR does not help Student makes learning more memorable. ( )
- 8- AR technologies block out the real world and provides 360-degree views of another world. ( )
- 9- You do not need to wear VR headset to immerse yourself in the experience. ( )
- 10- Future technology can improve the lives of people of determination. ( )

**Second: Choose the correct answer from the brackets:**

- 1- ..... Is an abbreviation of Artificial intelligence.  
a- AR                                      b- Ai                                      c- VR
- 2- It combines the real world with a virtual world by adding computer-generated images.  
a- Virtual reality                      b- Augmented reality,    c- Artificial intelligence
- 3- Students can point their smartphone camera at a flat surface and project a 3-D image, by use .....  
a- Virtual reality                      b- Augmented reality,    c- Artificial intelligence
- 4- It is a simulated 3-D environment.  
a- VR                                      b- AR                                      c- AI
- 5- That allows users to explore and interact with the surroundings, as if it were reality.  
a- VR                                      b- AR                                      c- AI
- 6- It can take you to a historical site hundreds of years ago.  
a- VR                                      b- AR                                      c- AI
- 7- It is used to unlock your phone with facial recognition.  
a- VR                                      b- AR                                      c- AI
- 8- Visual impairment can use it to see their family members up close.  
a- VR                                      b- AR                                      c- AI
- 9- An application that shows you how the new furniture will look in your home is one of the applications.  
a- VR                                      b- AR                                      c- AI
- 10- Through this technology, you can take an online tour of King Tut's tomb and walk inside the tomb.  
a- Virtual Reality,                  b- Augmented Reality,                  c- Artificial Intelligence.

## Theme1 : Lesson 4 Questions

**First: Put the word (True) or (False) :-**

1. Cutting-edge technology is defined as the latest and most advanced version of services or products. ( )
2. Assistive technology helps people of determination with tasks. ( )
3. Smart Gloves such as the assistive technology. ( )
4. There are no evaluation tools we can use. ( )
5. User experience is often broken into different areas and can be positive only. ( )
6. The goal of the varied of advanced assistive technology is to reduce the independence of people of determination. ( )

**Second: Choose the correct answer from the brackets:**

- 1- Through ..... you can learn about some of the product's features.  
a- Tables.                                      b-Email.                                      C- user experience.
- 2- This is the newest and most advanced version of a service or product.  
a- Cutting edge technology                                      b- Assistive technology.  
c- Alternative technology
- 3- It helps people of determination with tasks they find challenging.  
a- Cutting edge technology                                      b- Assistive technology.  
c- Alternative technology
- 4- that empower deaf people to translate their signs in real time to spoken or text output.  
a- smart gloves                                      b- compound words                                      c- wheelchair
- 5- It describes how people use and interact with a product.  
a- Meeting needs                                      b- User experiences                                      c- both
- 6- User experience is often broken into different areas and can be ...  
a- positive                                      b- negative                                      c- both
- 7- User experience is interlinked with the development of products and services  
a- Meeting needs                                      b- User experiences                                      c- both

## Theme1 : Lesson 5 Questions

**First: Put the word (True) or (False) :-**

- 1- Copy, paste and cut from digital editing tools. ( )
- 2- The Library of Alexandria catalog can be used through the library's digital website. ( )
- 3- Copy, paste is very useful when used word processing. ( )
- 4- One of the tools for digital research is specialized search engines. ( )
- 5- Verified online libraries are not digital research tools. ( )
- 6- Digital search tools make searches more difficult. ( )
- 7- The results for digital research tools will be different. ( )

- 8- The results for digital research tools will be similar. ( )
- 9- Knowing the results helps inform the research tools used. ( )
- 10- Search engines are easy and fast to use. ( )
- 11- Search engines show few results. ( )
- 12- EKB provides the results will be credible. ( )
- 13- A library catalog isn't a database, ( )
- 14- You can use other database fields to narrow a search, such as author. ( )

**Second: Choose the correct answer from the brackets:**

- 1- You use ..... when copying, pasting, or cutting information.  
a- Digital editing tools.                      b- QR codes.                      c- Hyperlink.
- 2- ..... Helps in searching for data on websites.  
a- Operating systems                      b- Search engines                      c- Programming languages
- 3- Example of a public and reliable database.  
a- EKB                      b- Social networking sites                      c- Digital research tools
- 4- You can search for some books in the school library by .....  
a- Databases.                      b- Email.                      c- Printers.
- 5- It helps you to search internet websites based on keywords.  
a- Websites                      b- Databases                      c- Search Engines
- 6- They are collections of information which are stored in a computer system.  
a- Websites                      b- Databases                      c- Search Engines
- 7- It is an example of a general database which covers many subjects.  
a- EKB                      b- Google engine                      c- Bing
- 8- They include all the items owned by a library.  
a- Library catalogs                      b- Search engine                      c- websites

**Theme1 : Lesson 7 Questions**

**First: Put the word (True) or (False) :-**

- 1- Android is a closed source mobile operating system. ( )
- 2- IOS operating system in Apple phones is a closed source. ( )
- 3- ROS operating system is one of the advanced OS for operating robots. ( )
- 4- Mobile devices have mobile operating systems. ( )
- 5- operating system runs computer software only. ( )
- 6- Most computers come without OS. ( )
- 7- Windows OS is the most popular system. ( )
- 8- Web access is not a function of the operating system. ( )
- 9- Code of closed-source systems can change. ( )
- 10- Code of open-source systems cannot change. ( )



- 11- Computer programming languages different. ( )
- 12- The similarity of programming languages helps in facilitating the learning of other languages. ( )
- 13- HTML is not compatible with all the major web browsers. ( )
- 14- HTML allows adding elements such as links and images. ( )

**Second: Choose the correct answer from the brackets:**

- 1- Instructions are given to the computer in the form of code that can be used to create animation.  
a- Assistive technology. b- Programming languages. c- Hyperlink tools.
- 2- It is used to create web pages and consists of a series of basic elements such as heading, paragraphs, and links.  
a- Databases b- advanced technology. c- HTML
- 3- It is software that manages a computer's functions.  
a- Apps b- OS c- Processor
- 4- Operating systems includes accessible devices such as :  
a- screen readers , b- magnifiers. C- both
- 5- One of the Operating systems for PC.  
a- Windows b- Android c- Apple iOS
- 6- One of the Operating systems and used on Microsoft PCs  
a- Windows b- Android c- Apple iOS
- 7- The most popular mobile OS.  
a- Windows b- Android c- Apple iOS
- 8- It is used on the iPhone or Apple mobile devices.  
a- Windows b- Android c- Apple iOS
- 9- It is an open source operating system .  
a- windows b- Android c- Apple iOS
- 10- One of the functions of the mobile phone operating system .....  
a- messaging b- web access c- both
- 11- The programming code can be read or changed by anyone.  
a- open-source b- closed source c- both
- 12- It can't be seen or changed by the public.  
a- open-source b- closed source c- both
- 13- It is open-source software for building robot applications.  
a- Robot Operating System b- Windows c- android
- 14- Instructions to a computer are given in code.  
a- Robot Operating System b- Programming language c- Windows
- 15- Over time, programming languages have evolved from ..... to high-level languages.  
a- human language b- programming language  
c- simple machine language



5- Text broken up into paragraphs makes it easy for the reader to scan for the information they want.

## c- hyperlinks

6- Tag ..... used to add paragraphs on a web page.

c- <a> </a>

7- Tag ..... used to add Largest Heading on a web page.

c- `<a>` `</a>`

8- Tag ..... used to add Hyper link on a web page.

c- `<a>` `</a>`

9- Tag ..... used to *Emphasized text*.

C- *<i>* *</i>*

10-Tag ..... used to *Add Bold text*.

C-  $\langle i \rangle$   $\langle /i \rangle$

11-Without it a screen reader reads everything on the page without stopping.

c- machine language

12-With HTML tags a screen reader ..... after every element

c- loops.

13-HTML is a language used to create...

### c- Electronic games

14- Used on web pages to attract attention.....

## c- Audios

15- It is used in web pages to trigger different emotions.

### c- Images

16- It is located at the top of the web page and attracts attention.....

## c- The largest Heading

## Theme2 : Lesson 2 Questions

**First: Put the word (True) or (False) :-**

1- Electronic games, played over the internet, it is fun without problems. ( )

2- You can play electronic games with friends online. ( )

3- Electronic games do not help promote critical and creative thinking. ( )

4- Electronic games encourage teamwork. ( )

5- Electronic games do not impact your health. ( )

6- Electronic games do not entail any dangers. ( )

7- Electronic games entail only psychological dangers. ( )

8- Over Playing of electronic games affects your sleep cycle. ( )

9- Electronic games may cause eye strain and headaches. ( )

10- Electronic games do not cause any back pain. ( )

11- Bullying is not one of the dangers of electronic games. ( )



- 12- Excessive playing of electronic games may cause others to bully you. ( )
- 13- You should not share too much personal information. ( )
- 14- Large gaming communities are overflowing with cyberbullies. ( )
- 15- It is preferable to use the webcam while playing electronic games. ( )
- 16- You should eat a healthy diet, meet your friends, and do exercises. ( )
- 17- You can share your name and email address online. ( )
- 18- Electronic games can strain your relationship with your family. ( )

**Second: Choose the correct answer from the brackets:**

- 1- It can impact your health.
  - a- Educational programs
  - b- Healthy meals
  - c- Electronic games
- 2- Electronic games entail multiple risks, including:
  - a- Security dangers
  - c- Physical dangers
  - c- All of the above
- 3- The impact on your sleep cycle is one of ..... of electronic games.
  - a- Security dangers
  - c- Psychological dangers
  - c- Physical dangers
- 4- Headaches are considered one of the dangers of electronic games
  - a- Security dangers
  - b- Physical dangers
  - c- Psychological dangers
- 5- one of the physical dangers of electronic games...
  - a- Weight gain
  - b- Violence
  - c- Bullying
- 6- Your feeling of loneliness in the real world of electronic games
  - a- Security dangers
  - c- Psychological dangers
  - c- Physical dangers
- 7- Electronic games can generate feelings.....
  - a- Love
  - b- Aggression
  - c- Kindness
- 8- They can cause your information to be leaked and viruses are easily spread.
  - a- Friends
  - b- Strangers
  - c- Hackers
- 9- Your name, email, and address are examples of .....
  - a- Personal information
  - b- General information
  - c- Confidential information
- 10- When playing online, you should only talk to people.
  - a- They are not known and you do not trust them.
  - b- They are known and you do not trust them.
  - c- They are known and you trust them
- 11- When playing electronically, you must...
  - a- Neglecting time
  - b- Using a camera
  - c- Respecting time periods.
- 12- ..... is considered one of the dangers of electronic games.
  - a- Finding information
  - b- Bullying
  - c- Communicating with friends

## Theme2 : Lesson 3 Questions

### First: Put the word (True) or (False) :-

- 1- MFA is an ineffective way to protect your devices from theft. ( )
- 2- Fingerprint Authentication is an effective way to protect your devices from theft. ( )
- 3- Secure passwords with 8 letters only. ( )
- 4- To confirm your identity and protect your devices, you can scan your finger. ( )
- 5- Facial recognition software allows only your face to unlock your device. ( )
- 6- Companies don't need to protect their websites and their customers information .( )
- 7- Companies must inform their customers if they have been victims to data theft.( )
- 8- If you think your data has been compromised, You should report data theft too.( )
- 9- It is preferable that the password consist of numbers only. ( )
- 10-Multi-factor authentication requires at least two methods of identification.( )

### Second: Choose the correct answer from the brackets:

- 1- Passwords with ... random letters, numbers and symbols are the most secure.  
a- 8                                      b- 6                                      c- 4
- 2- It is requires at least two ways of identifying yourself.  
a- PASSWORDS                      b- MFA                                      c- FACIAL RECOGNITION
- 3- Facial recognition software will scan your face using your device's .....  
a- Keyboard                              b- Printer                                      c- camera
- 4- It is products your information, so only you can access it on your device  
a- PASSWORDS                      b- ENCRYPTION                      c- FACIAL RECOGNITION
- 5- It requires companies to use strict security stands to protect their data.  
a- The Data Protection Law      b- Copyright Law                      c- Protection from Bullying Law
- 6- If you think your data has been compromised, be should report .....  
a- Hackers                                      c- Piercy                                      c- trusted adult
- 7- Full encryption ..... your information so that no one can access it.  
a- protect                                      b- delete                                      c- provide
- 8- Multi-factor authentication requires at least ..... to identify you.  
a) Two methods                      b) Three methods                      c) One method
- 9- Secure passwords consist of 8.....  
a) Random letters, numbers, or symbols.      b) Numbers only.                      c) Letters only

## Theme2 : Lesson 4 Questions

### First: Put the word (True) or (False):-

- 1- Using safe web browsers helps protect you from hacking. ( )
- 2- You must use antivirus to protect your devices. ( )
- 3- You can allow anyone to view your social media pages. ( )
- 4- You can communicate with people you don't know. ( )

- 5- Do not share personal information online. ( )
- 6- Use strong passwords and don't change them. ( )
- 7- You do not need to Verify information you find to make sure it is accurate. ( )
- 8- You may encounter problems while surfing the Internet, such as hacking and bullying. ( )
- 9- Malware is a type of cybersecurity threat. ( )
- 10- Mobile malware is not problematic. ( )
- 11- Spoofing can create email account that has the name of a trusted service. ( )

**Second: Choose the correct answer from the brackets:**

- 1- Verify websites that you frequent are .....  
a- real and safe                      b- age appropriate.                      c- All the above
- 2- It is to protect networks, devices, and data from electronic attacks.  
a- Cybersecurity                      b- Impersonation                      c- Malware
- 3- It is a type of malware that pretends to be a virus alert.  
a- Scare ware                      b- Spoofing                      c- Antiviruses
- 4- Cyber criminals pretend to be a business, or a known person.  
a- Scare ware                      b- Spoofing                      c- Antiviruses
- 5- it tells you to click on the link to help remove it, but the link is actually the virus.  
a- Scare ware                      b- Spoofing                      c- Antiviruses
- 6- When your account is hacked ..... the passwords for your device, email, and social media accounts.  
a- Change some                      b- Change all                      c- Do not change
- 7- Use ..... software to do a sweep of your computer and remove any viruses.  
a- Antivirus                      b- Word                      c- Excel
- 8- Confirm your security settings are.....  
a- Deletion                      b- up-to-date                      c- Neglect

**Theme2 : Lesson 5 Questions**

**First: Put the word (True) or (False)-:**

- 1- Copyright includes written material only. ( )
- 2- Works in EKB is already approved for use and Creative Commons. ( )
- 3- Public domain that requires permission from their creator. ( )
- 4- must ask for permission before using images or infographics. ( )
- 5- In Egypt, there are no law to protect content creators from piracy. ( )
- 6- Copyright protects creators and gives them ownership of their work. ( )
- 7- The Egyptian stock exchange allows citizens to invest in any market sector. ( )
- 8- Smart investors analyze markets to see which companies' stocks go up or down. ( )
- 9- **Investor** is a person who handles the buying and selling of shares. ( )
- 10- Investors do not depend on financial **Broker**. ( )



- 11- Through electronic financial trading, transactions can be executed completely independently through websites or applications. ( )
- 12- It is not preferable to use consulting robots during electronic trading. ( )
- 13- Facilitating the process of buying and selling company shares is one of the advantages of electronic financial trading. ( )

**Second: Choose the correct answer from the brackets:**

1. It includes written, visual, audio, video, web material.  
a- Public Domain                      b- Copyright                      c- None of the above
2. It refers to work that has been granted permission to share by the creator.  
a- Public Domain                      b- Copyright                      c- Creative Commons
3. Egypt considers work ..... if the creator has been deceased for at least 50 years.  
a- Public Domain                      b- Copyright                      c- Creative Commons
4. The stock market is defined as a market in which buyers and sellers exchange...  
a- Websites                      b- Applications                      c- Company stocks
5. It is someone's invention, creation or idea, that is protected by law from being copied by someone else.  
a- Public Domain                      b- Copyright                      c- Creative Commons
6. It is a market where buyers and sellers deal in units of company stocks,  
a- Stock Exchange                      b- E-commerce                      c- E-marketing
7. This is a person who handles the buying and selling of shares..  
a- Investor                      b- Broker                      c- Seller
8. Company stocks are called .....  
a- Applications                      b- Programs                      c- shares
9. .... facilitates and speeds up the execution of transactions for companies.  
a- Traditional                      b- Electronic Financial Trading                      c- Instant
10. A market in which buyers and sellers exchange units of the company's shares is called .....  
a- Commercial market                      b- Electronic market                      c- Stock exchange
11. They are online applications that provide guidance and financial services.  
a- Scare ware                      b- Antiviruses                      c- Robo-advisors

**Theme2 : Lesson 6 Questions**

**First: Put the word (True) or (False):-**

- 1- Cloud computing allows users to access files anytime and anywhere easily. ( )
- 2- Cloud computing has only positives. ( )
- 3- One of the disadvantages of cloud computing is providing backup copies of your files. ( )
- 4- You should keep files in separate folders based on their types in cloud storage. ( )
- 5- Cloud computing provides an additional layer of security through password-protected data storage and data encryption. ( )

- 6- One of the disadvantages of cloud computing is that it requires you to have an Internet connection. ( )
- 7- The more storage capacity you need, the higher the amount you will pay for the cloud computing service. ( )
- 8- The cloud computing service does not provide the possibility of creating separate folders for different data categories. ( )
- 9- Cloud storage services that offer MFA should be ignored. ( )
- 10- The storage capacity on your device can be increased by relying on the cloud storage service. ( )
- 11- Files stored on the cloud can be accessed without an Internet connection. ( )
- 12- There is no risk from using cloud computing. ( )
- 13- Files stored on the cloud can be accessed from only one device. ( )

**Second: Choose the correct answer from the brackets:**

- 1- It is an on-demand technology that allows data to be stored and accessed through remote servers over the Internet.  
a- Cloud computing      b- Stock Exchange      c- E-commerce
- 2- Examples of cloud computing service providers  
a- Google Drive      b- Microsoft OneDrive      c- Both
- 3- It enables users who are not connected to the local area network (LAN) to access and manage their data and files via the Internet.  
a- Websites      b- Remote servers      c- Switches
- 4- It converts data into code to prevent unauthorized user access.  
a- Data encryption      b- Data breach      c- Remote servers
- 5- You must create ..... files for all your accounts on cloud storage platforms.  
a- Name      b- Space      c- Strong passwords
- 6- A technology that allows data to be stored and accessed through remote servers over the Internet.  
a- Cloud computing      b- Holograms      c- Artificial intelligence
- 7- The OneDrive application can be accessed via.  
a- Microsoft 365      b- Google      c- Youtube
- 8- Access by unauthorized parties to confidential data and information is called.  
a- MFA      b- Cloud computing      c- Data breach
- 9- The ability to share files with authorized users of ..... cloud computing.  
a- Advantages      b- Disadvantages      c- None
- 10- Interruption of Internet connection is considered cloud computing.  
a- Advantages      b- Disadvantages      c- None

**Theme2 : Lesson 7 Questions****First: Put the word (True) or (False) :-**

- 1- Google Workspace is an example of cloud computing applications. ( )
- 2- Microsoft 365 is an example of cloud computing applications. ( )
- 3- The Microsoft platform provides its users with productivity applications and storage capacity. ( )
- 4- You cannot determine the level of access to your files through the OneDrive application. ( )
- 5- Google Workspace can be used to handle cloud computing applications. ( )
- 6- Microsoft 365 provides productivity applications such as Word. ( )
- 7- Excel is an email application. ( )
- 8- The OneDrive application is used for cloud storage. ( )
- 9- It is impossible to share files on OneDrive. ( )
- 10- The PowerPoint application helps you create a presentation. ( )
- 11- OneDrive is easy to access from any device. ( )

**Second: Choose the correct answer from the brackets:**

1. You store data or programs and access them over the Internet.  
a- Cloud computing      b- Hacking      c- Augmented reality
2. Examples of cloud computing applications.  
a- Microsoft 365      b- Google Workspace      c- Both
3. Microsoft 365 provides a group of productivity applications such as...  
a- OneDrive      b- Drive      c- Youtube
4. it application helps you share your work with your colleagues and access it easily  
a- OneDrive      b- forms      c- Youtube
5. The application helps to create a presentation  
a- OneDrive      b- PowerPoint      c- Teams
6. it application allows you to draft ideas, write a story or complete a task  
a- Word      b- PowerPoint      c- Teams
7. it application is used to prepare a school report.  
a-Word      b- PowerPoint      c- Teams
8. To share files, you must first create ..... files on OneDrive.  
a- Upload      b- Delete      c- Download
9. It is considered ..... the e-mail platform.  
a-OneDrive      b- Drive      c- Outlook